

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

Robert M. Guidash

U.S. Serial No. 10/620,060 (D85354/PCW)

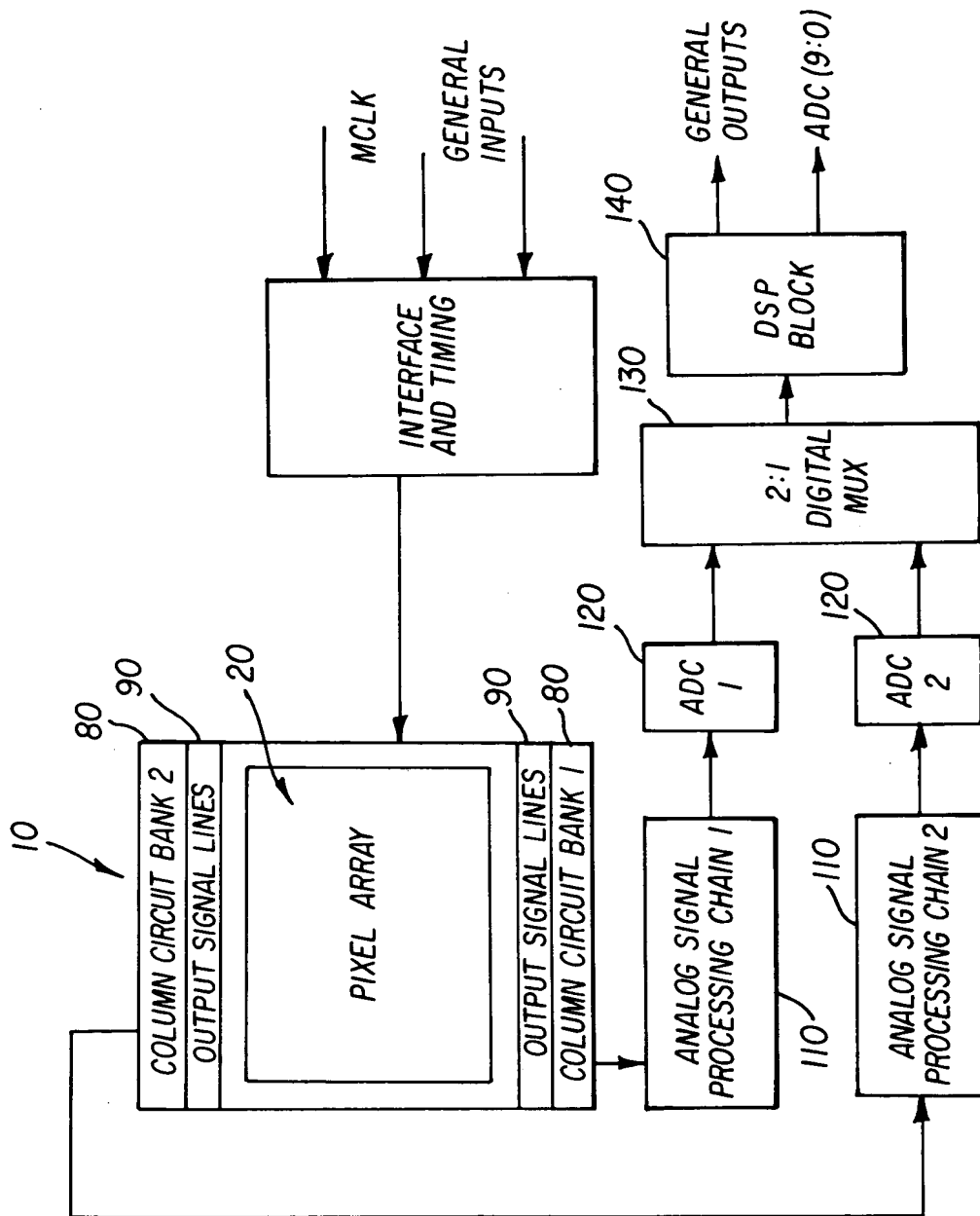


FIG. 1

Robert M. Guidash

A circular black and white stamp. The outer ring contains the text "OIPE" at the top and "PATENT & TRADEMARK OFFICE" at the bottom. In the center, the date "DEC 18 2003" is stamped. The stamp is slightly tilted.

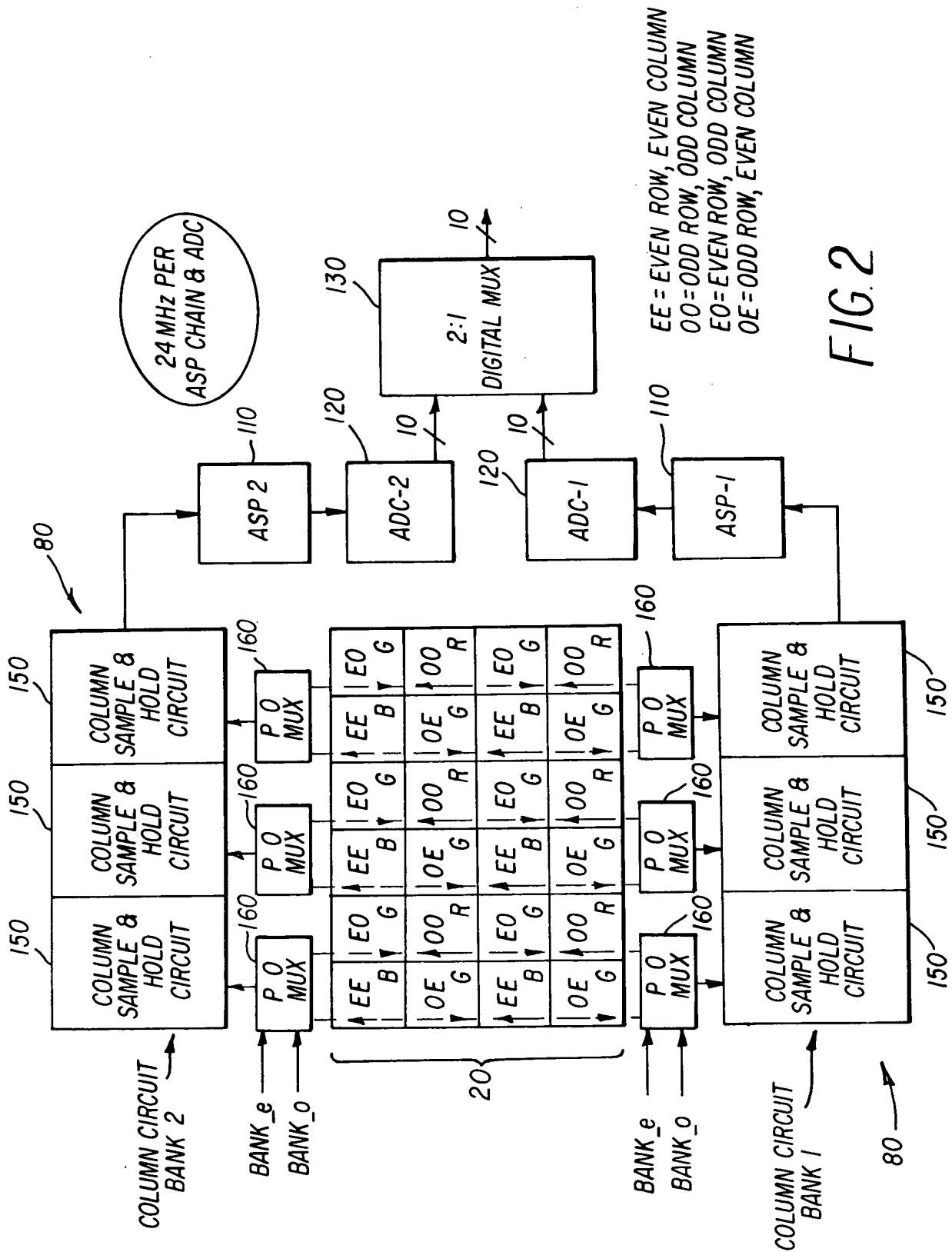


FIG. 2

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A circular black and white stamp. The outer ring contains the text "OIPE" at the top and "PATENT & TRADEMARK OFFICE" at the bottom. In the center, the date "DEC 18 2003" is stamped.



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
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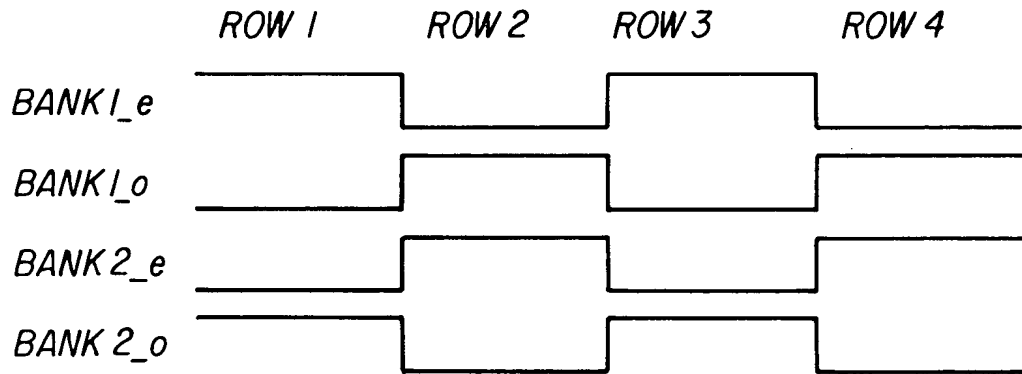


FIG. 3b

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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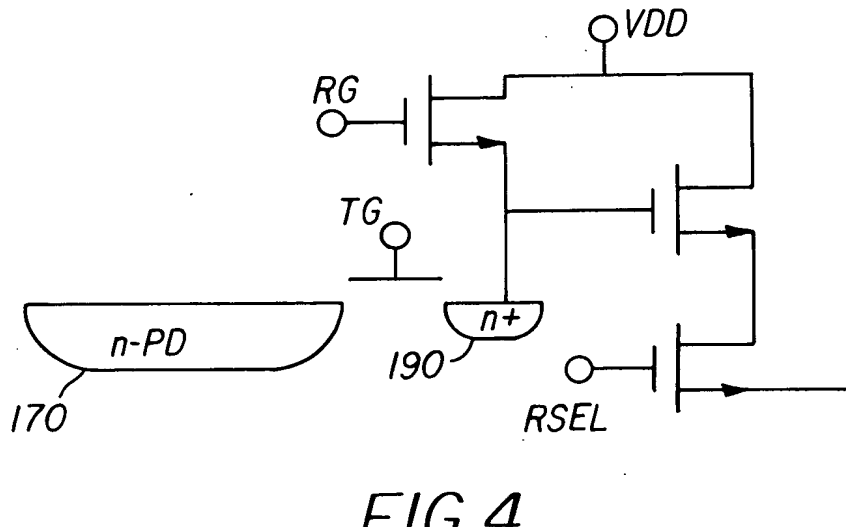


FIG. 4

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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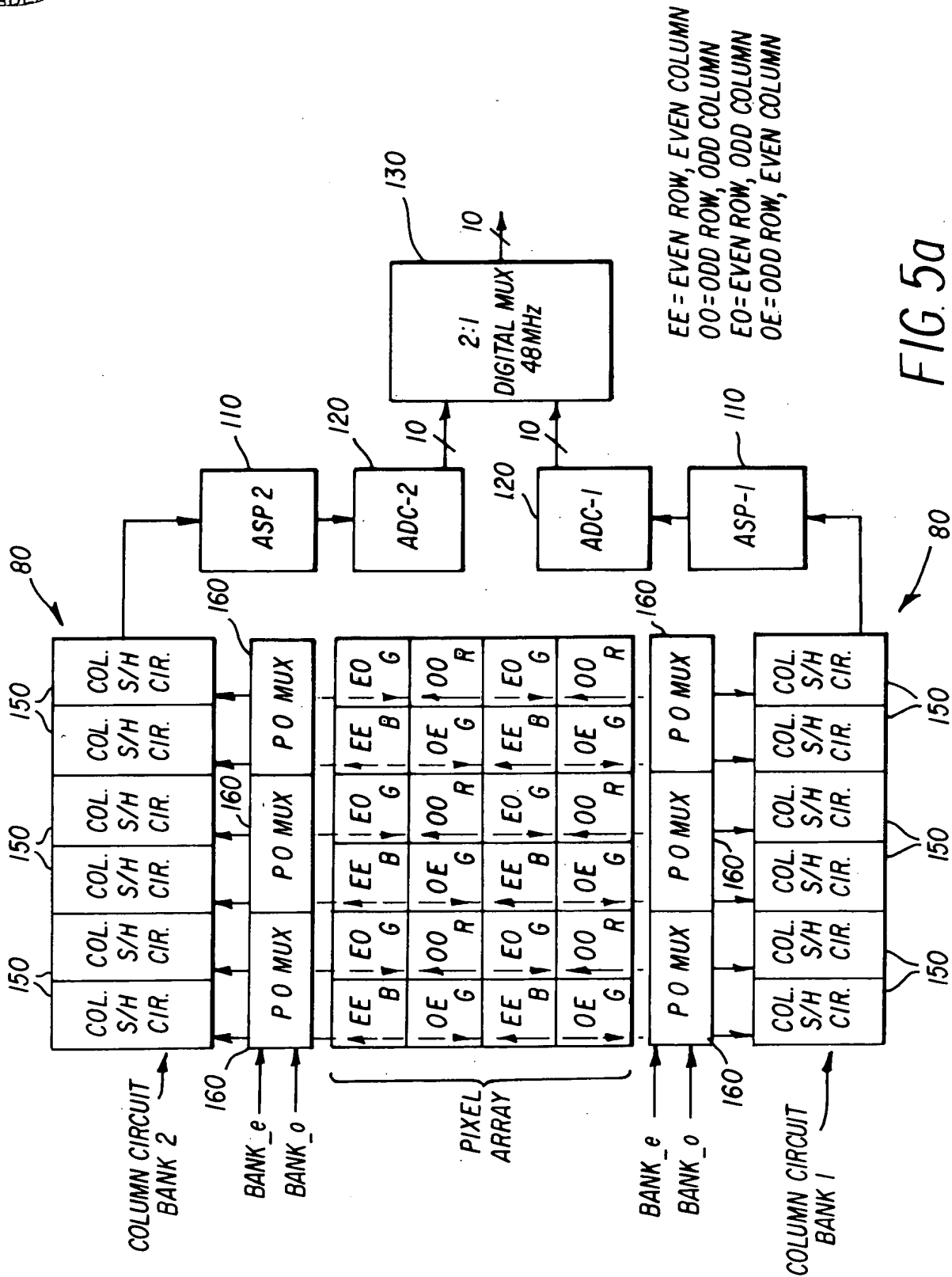
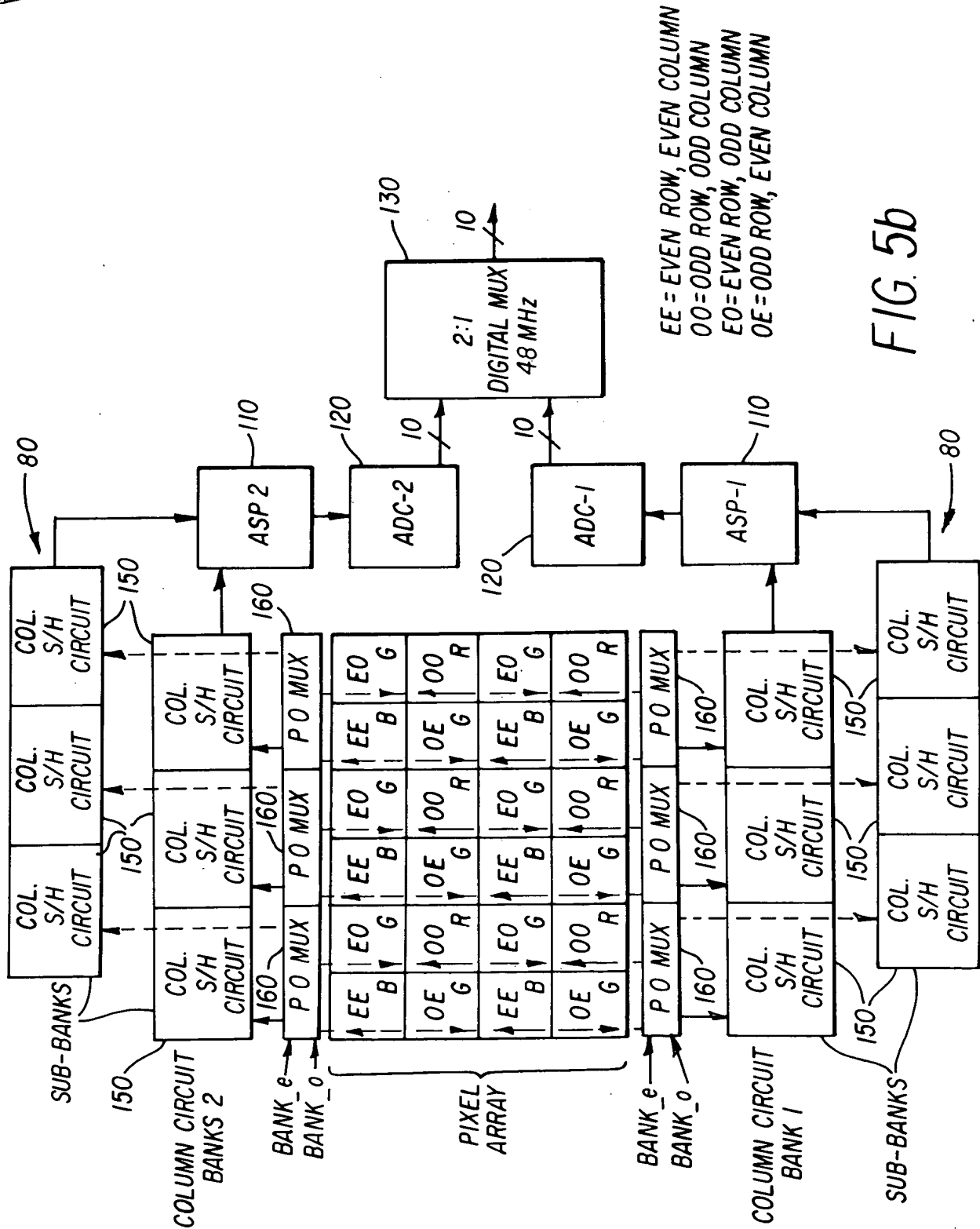


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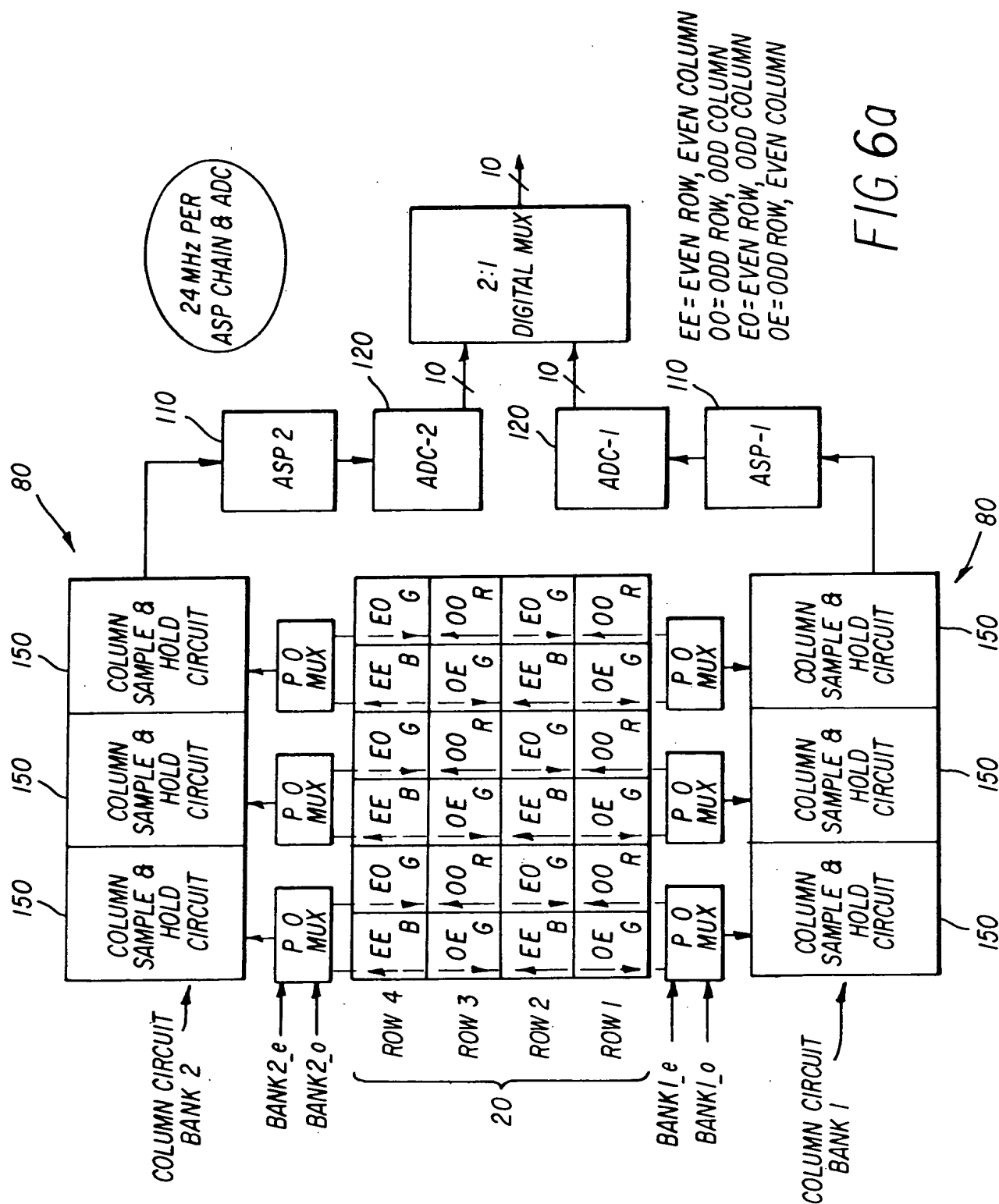


FIG. 6a



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
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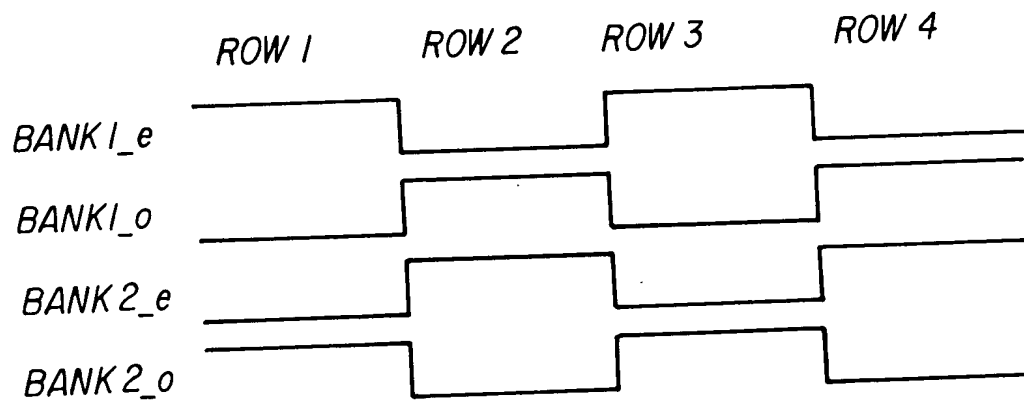


FIG. 6b



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
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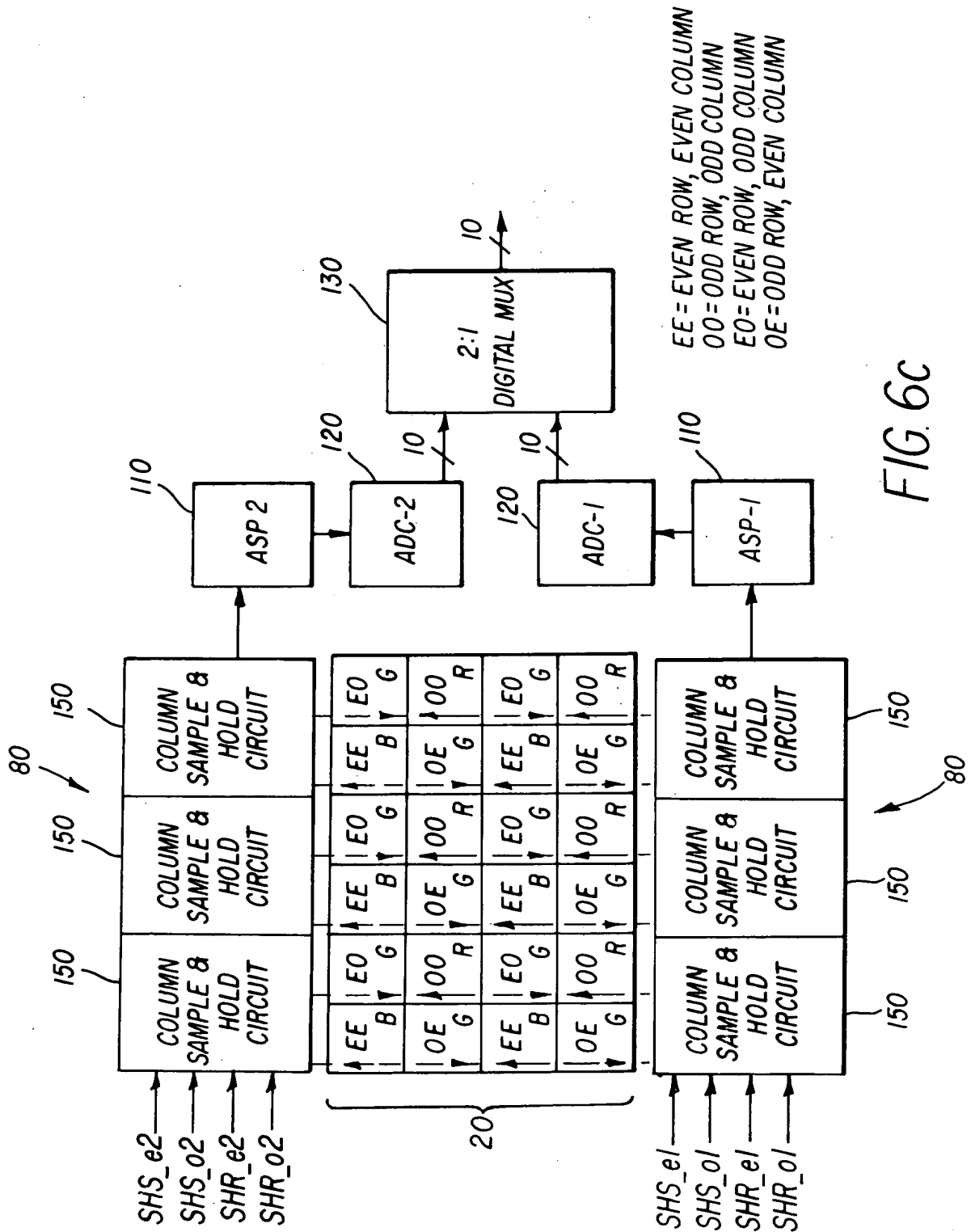


FIG. 6c

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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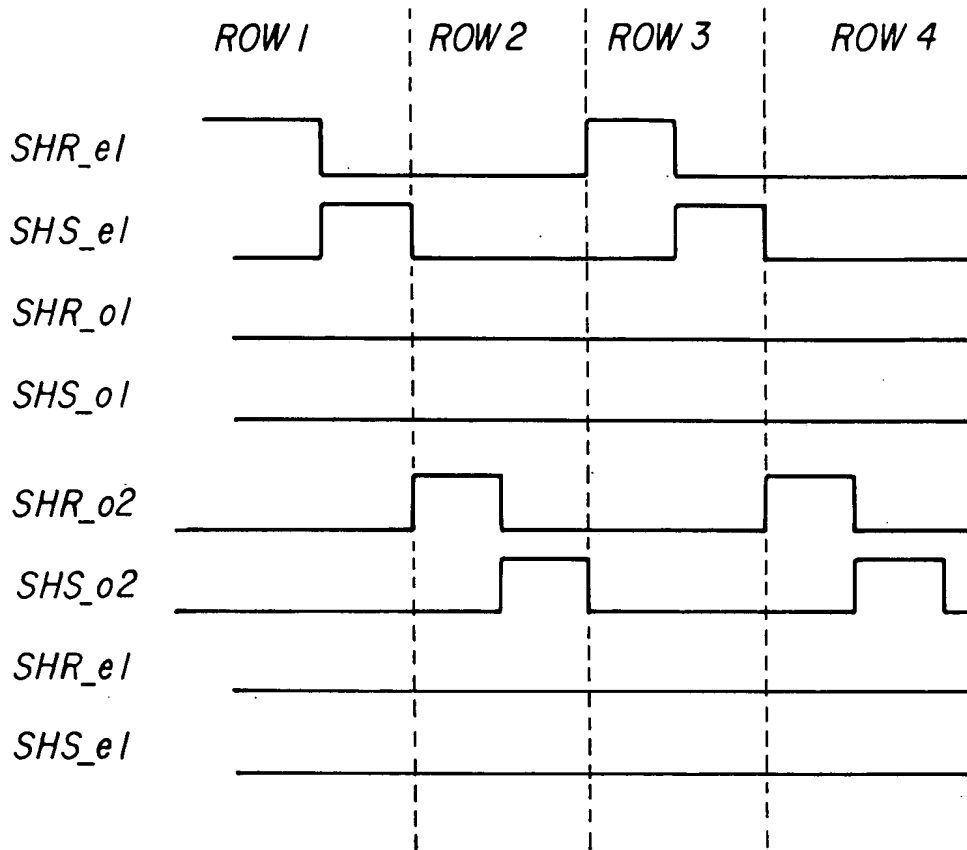


FIG. 6d



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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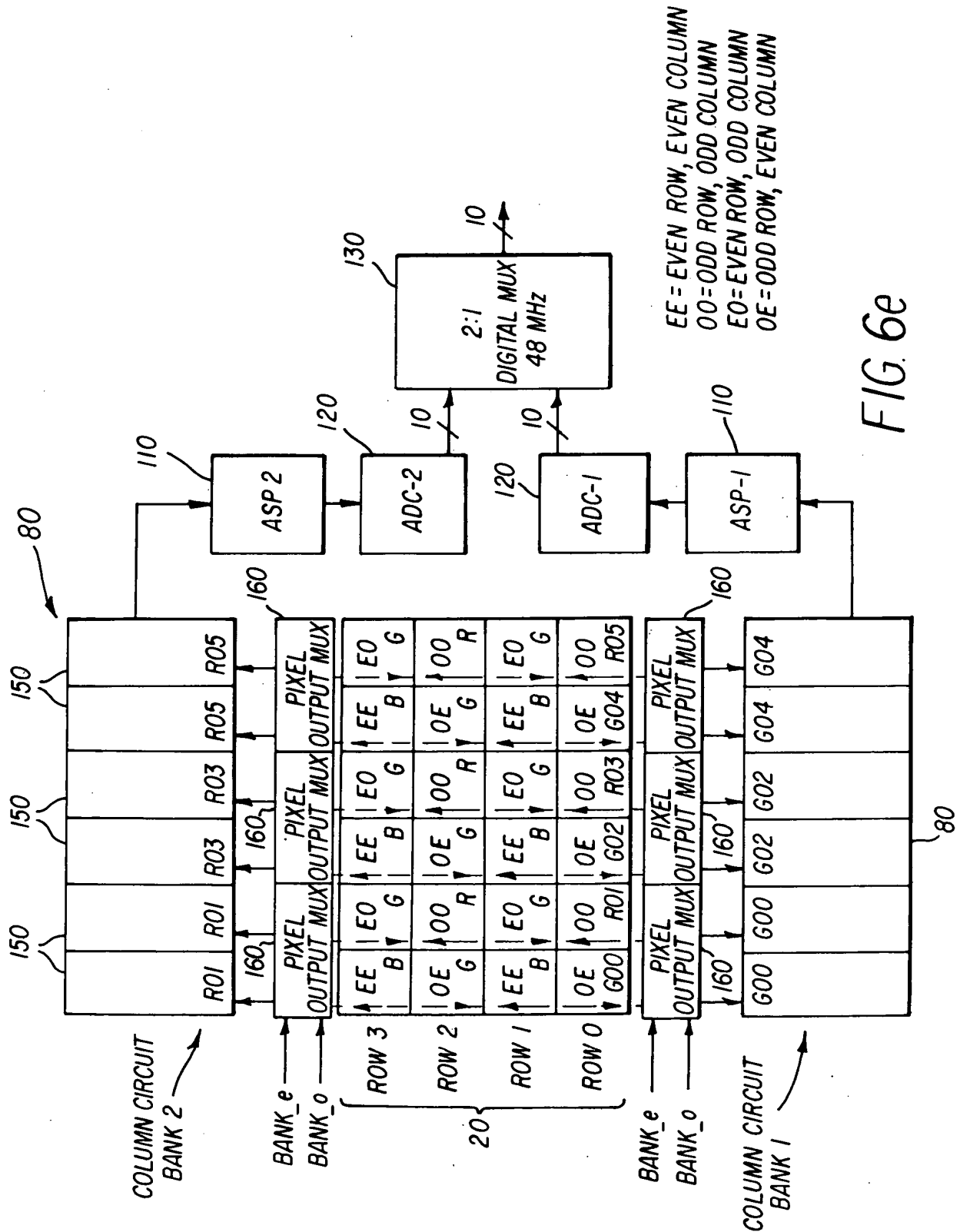




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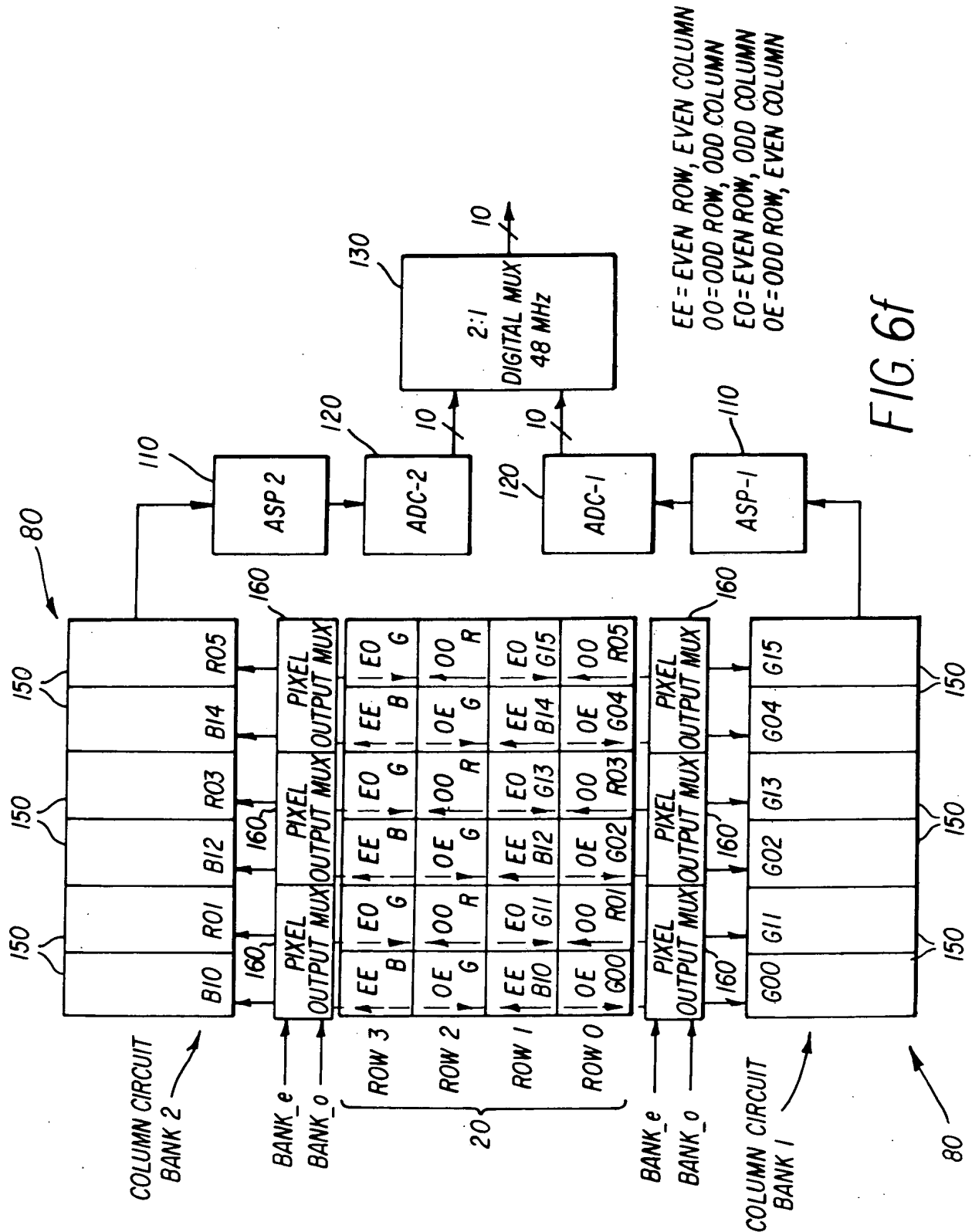


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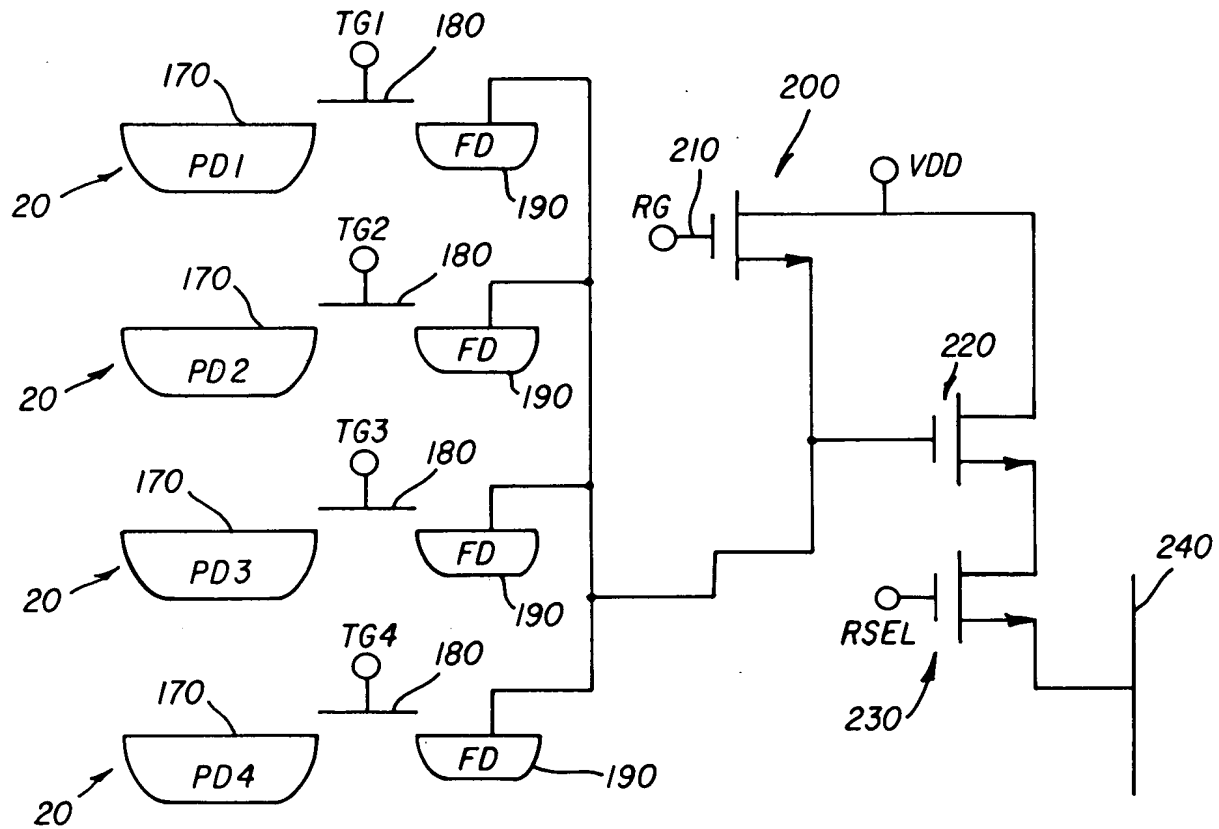


FIG. 7

FIG. 8a

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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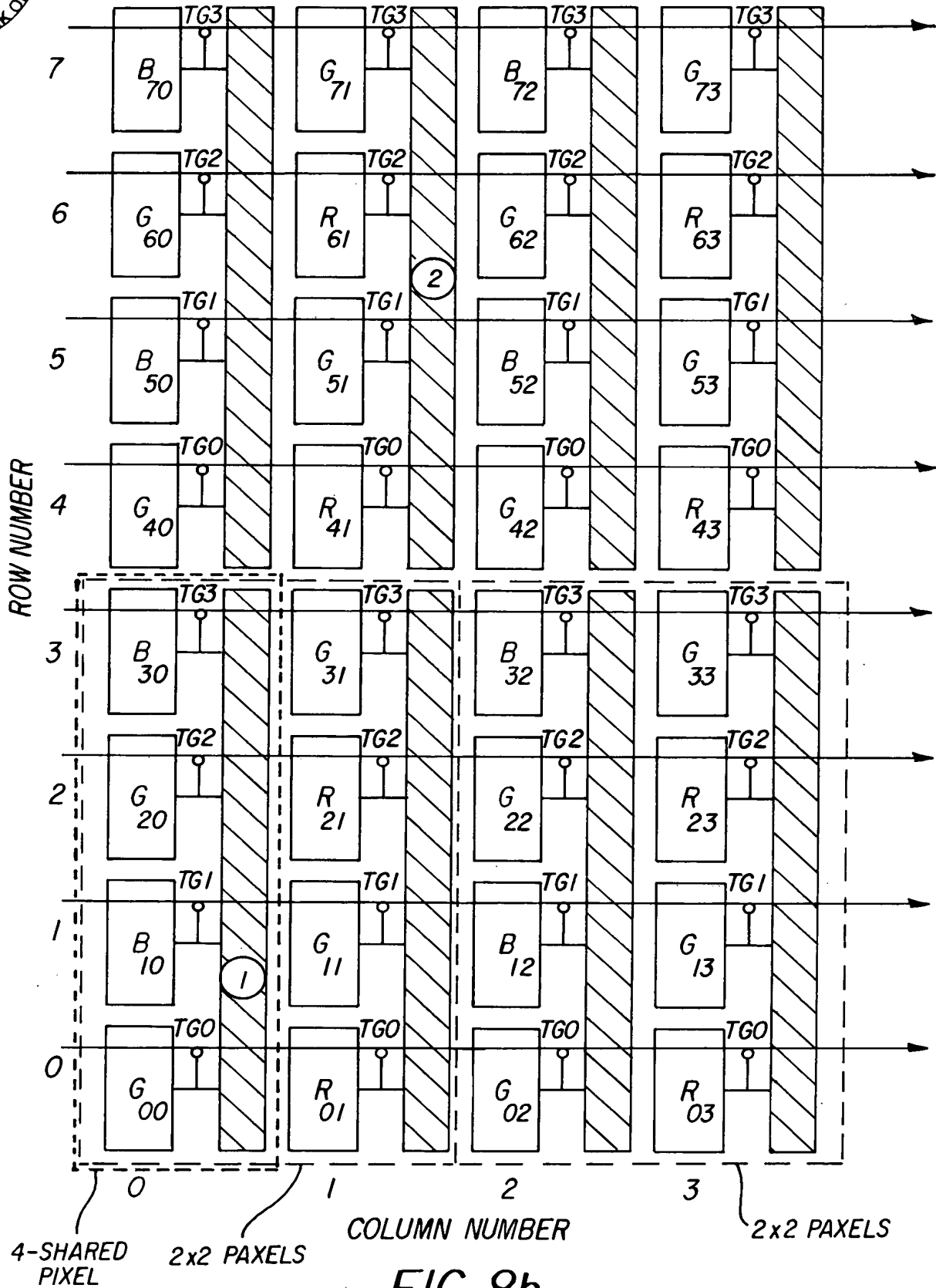


FIG. 8b

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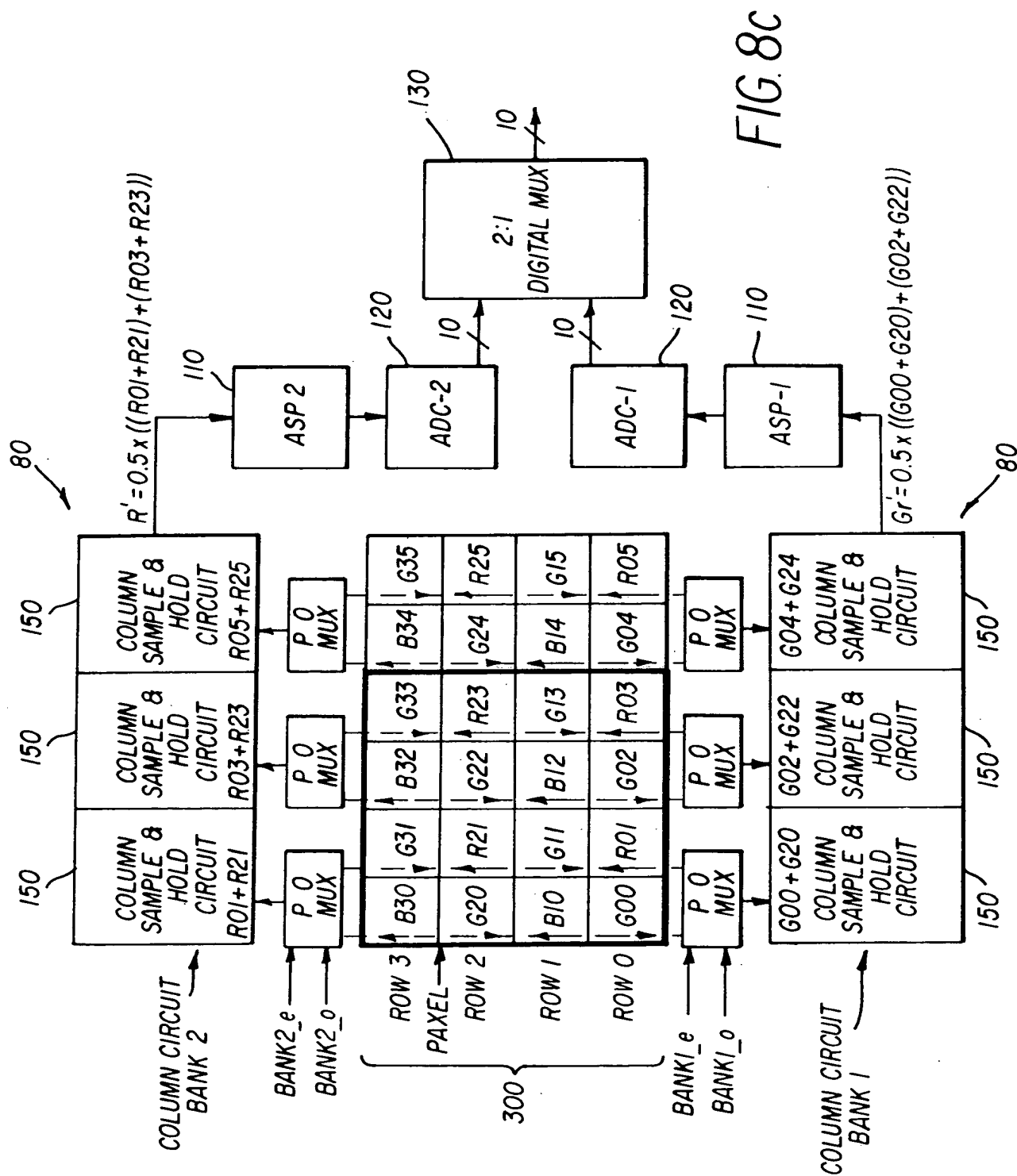


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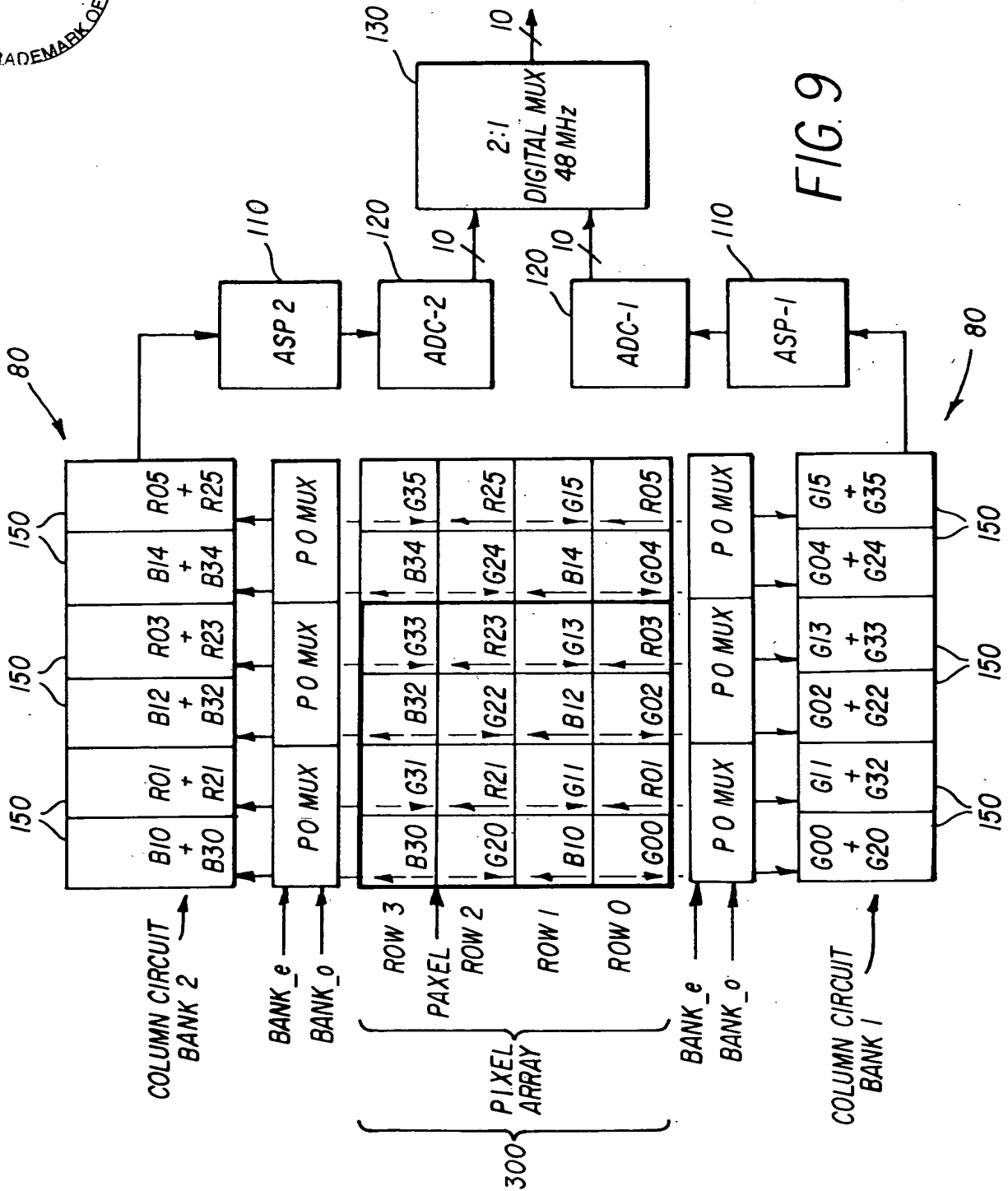


FIG. 9

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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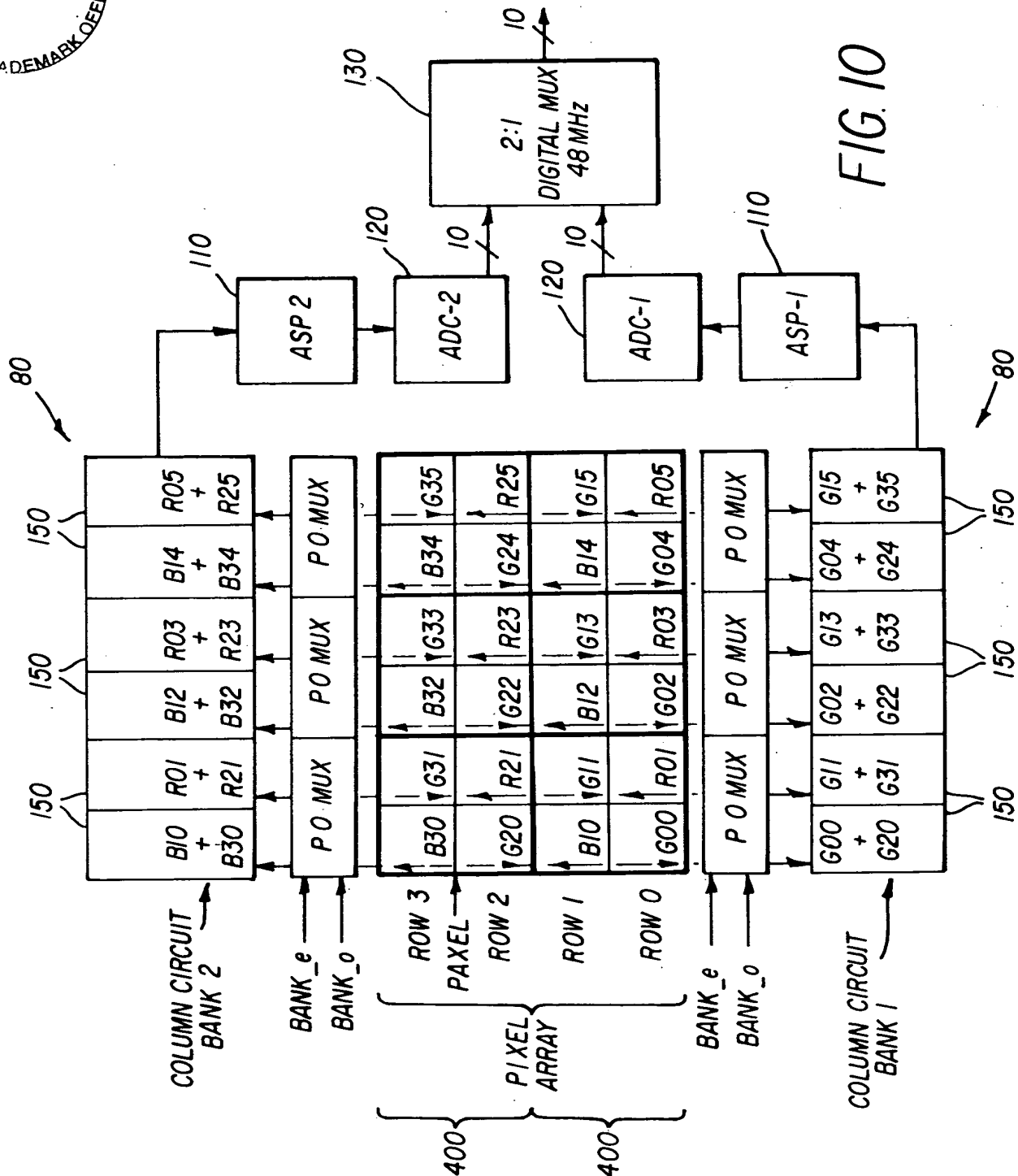
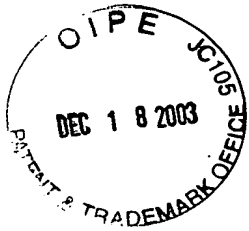


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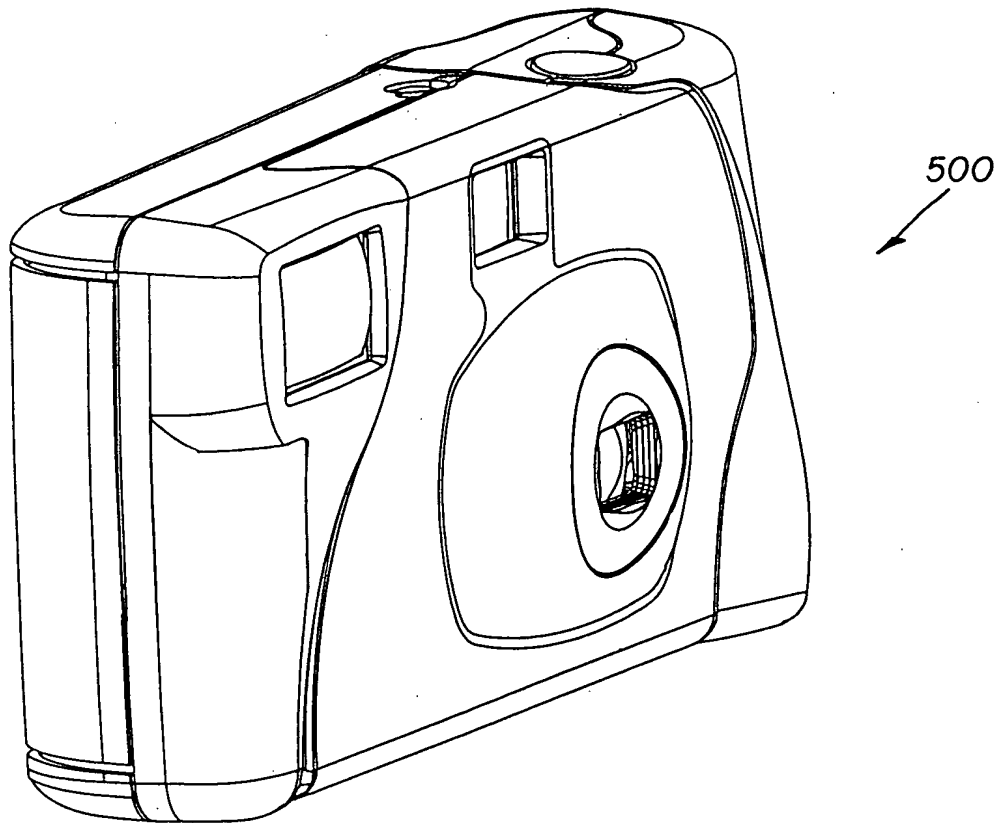


FIG. 11